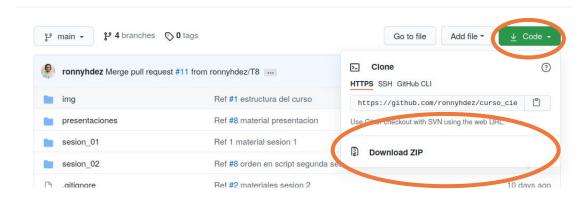


Workshop materials



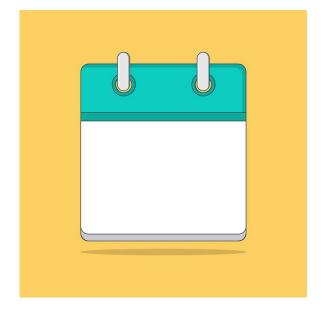


https://github.com/ronnyhdez/curso_ciencia_datos_r



What do we want from today's session?

- How to use a .Rmd file
- Understand the advantages of using a file where you can combine text and code
- Understand the basics of an Rmarkdown file





What does it solve?

```
114- # Date ranges data visualization
115
116. ```{r date range visualization}
117 # Latent Heat Flux in time
118 towers %>%
     mutate(date = ymd_hms(date_time)) %>%
     ggplot(aes(x = date_time, y = latent_heat_flux, color = tower)) +
    geom_jitter(alpha = 0.5, size = 0.7) +
122 scale_y_continuous(breaks = seq(-4000, 3000, by = 500)) + #
     scale x datetime(date labels = "%b%Y", breaks = "months") +
     scale_color_manual(name = "Tower", labels = c("Carbon tower",
125
                                                   "Principe tower"),
126
                         values = c("#1C7636", "#FFCC37")) +
127
     theme_light(base_size = 16) +
     theme(axis.text.x = element_text(angle = 75, h = 1)) +
     labs(title = "Latent Heat Flux for all observations available from both towers",
130
           subtitle = "Without filtering outliers",
131
132
           v = "Latent Heat Flux (W m-2)".
133
           color = "Tower")
134
135 # Temperature in time
136 temperature_sensors %>%
     mutate(date = ymd_hms(date_time)) %>%
     ggplot(aes(x = date_time, y = temperature)) +
139 geom_point(alpha = 0.5) +
140 scale_y_continuous(breaks = seq(10, 40, by = 2)) +
     scale_x_datetime(date_labels = "%b%Y", breaks = "months") +
     theme_light(base_size = 16) +
     theme(axis.text.x = element_text(angle = 75, h = 1)) +
144
     labs(title = "Temperature (C)",
           subtitle = "All the datapoints available from sensor dataset",
```

Communicate!



What does it solve?

Text using Markdown syntax	Corresponding HTML produced by a Markdown processor	Text viewed in a browser
Heading ======= Sub-heading Paragraphs are separated by a blank line. Two spaces at the end of a line produce a line break.	<h1>Heading</h1> <h2>Sub-heading</h2> Paragraphs are separated by a blank line. Two spaces at the end of a line produce a line break.	Heading Sub-heading Paragraphs are separated by a blank line. Two spaces at the end of a line produce a line break.
Text attributes _italic_, **bold**, monospace . Some implementations may use *single-asterisks* for italic text. Horizontal rule: Strikethrough: ~-strikethrough~~	<pre>Text attributes italic, <strong-bold< strong="">, <code>monospace</code>. Some implementations may use <i>single-asterisks</i> for italic text. Horizontal rule: <hr/> Strikethrough: <strike>strikethrough</strike></strong-bold<></pre>	Text attributes italic, bold , monospace . Some implementations may use single-asterisks for italic text. Horizontal rule: Strikethrough:
Bullet list: * apples * oranges * pears Numbered list: 1. lather 2. rinse 3. repeat	<pre>Sullet list: apples apples aranges >Numbered list: al> >li>li>li>li>li>li>li>li>li>li>li>li>li</pre>	Bullet list:

Tomado de: https://en.wikipedia.org/wiki/Markdown



Aaron Swartz



John Gruber

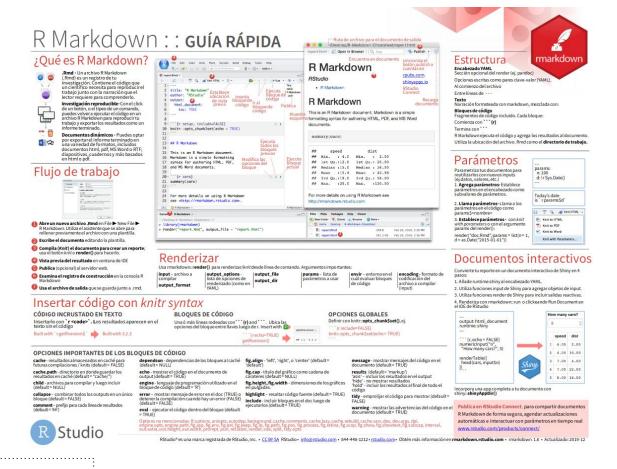
Recommendation: https://www.youtube.com/watch?v=3Q6Fzbgs_Lg

Main elements in a Rmarkdown file

- YAML
- Chunks
- Index
- Text
- Code



RStudio cheatsheet



Hands on Rmarkdown!

Open a .Rmd file in your RStudio project

Hands on Rmarkdown!

Práctica

Ronny Hernández-mora 6/8/2021

Presentación

Yo soy Ronny Hernández Mora y me gusta trabajar con datos

Si querés seguirme en redes sociales, podés hacerlo por mi cuenta de twitter

Actividades que me gustan

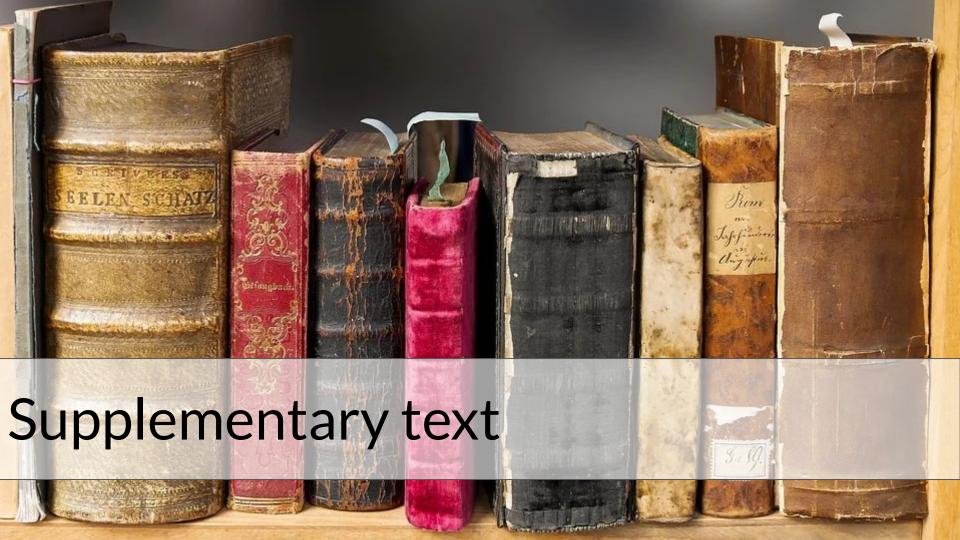
Cuando no estoy en la computadora, me gusta:

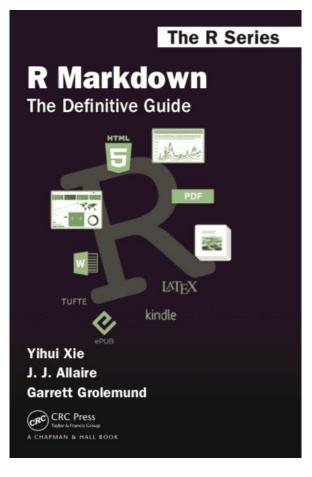
- · Leer libros
- · Andar en bicicleta
- Jugar con arduinos (aunque estoy implica estar en la compu)

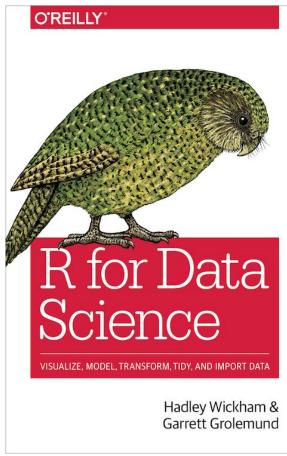
Cursos que he tomado

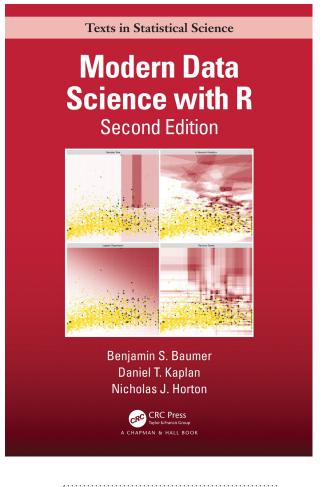
Durante mi carrera profesional, he tomado los siguientes cursos:

Curso	Del 1 al 5 qué tanto me gustó
Estadística	4
Administración de servidores linux	5
Fisiología vegetal	5
Ecologia vegetal	5











¡Gracias!

Ronny A. Hernández Mora.

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Oronnyhdez

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